NUCLEAR CRITICALITY SAFETY PROGRAM (NCSP)
TECHNICAL PROGRAM REVIEW

MARCH 15-16, 2016
SANDIA NATIONAL LABORATORY

FINAL AGENDA
Building 6585 (Rooms 110, 111 and 112)

8:30 AM - 5:30 PM		Tuesday, March 15, 2016	
8:30 AM		Welcome from SNL	Gary Harms
		Saftey and Security Briefing	Gary Harms
		Welcome and Introductions	Jerry McKamy
		A Year of Highs and Lows for the CSSG	David Erickson
		CSSG Review of the Hands-on Training and Education Courses	Calvin Hopper

NCSP
TECHNICAL PROGRAM ELEMENTS TO BE PRESENTED

ANALYTICAL METHODS
INFORMATION PRESERVATION AND DISSEMINATION
INTEGRAL EXPERIMENTS
NUCLEAR DATA
TRAINING AND EDUCATION
(UNIVERSITY TASKS)

ANALYTICAL METHODS

	ORNL	SCALE 6.2 and AMPX Development and Modernization for the NCSP	Brad Rearden
	ORNL	Diagnosing Undersampling in Monte Carlo Eigenvalue and Flux Tally Estimates	Chris Perfetti
	IRSN	Update of the Nuclear Criticality Slide Rule for Emergency Response to a Nuclear Criticality Accident	Matthieu Duluc

10:30 AM - 10:45 AM	**BREAK**		
10:45 AM		**ANALYTICAL METHODS** *(continued)*	
	ORNL	Recent Progress in Determination of Critical Experiment Correlations	B.J. Marshall
	LANL	MCNP Progress for NCSP	Forrest Brown
	LANL	Fission Multiplicity Model Usage in Criticality Calculations	Michael Rising
	LANL	The Dawn of NJOY21 in 2015	Jeremy Conlin
	OPEN DISCUSSION		ALL
		INFORMATION PRESERVATION AND DISSEMINATION	
	LLNL	ICSBEP Accomplishments	Dave Heinrichs

12:30 PM - 1:30 PM	**LUNCH**		

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1:30 PM — **INFORMATION PRESERVATION AND DISSEMINATION**
(continued)

	LLNL	Website Statistics	Chuck Lee
	NNSA/ORNL	Website Enhancements	Lori Scott
	OPEN DISCUSSION		ALL

INTEGRAL EXPERIMENTS

	LANL	Operational Considerations for Experimental Work at NCERC	Tim Beller
	LANL	NCERC Control Room Upgrades	Ryan LeConte
	LANL	NCERC Safety Basis Update	James Strelow
	NNSS	KRUSTY Safety Basis Update	Jeff Lewis

3:30 PM - 3:45 PM	**BREAK**	

3:45 PM — **INTEGRAL EXPERIMENTS**
(continued)

	LANL	Subcritical Benchmark of the BeRP Ball Reflected by Tungsten	Jesson Hutchinson
	LANL	Uncertainty as a Function of Time for Subcritical Experiment Parameters	Jesson Hutchinson
	LANL	Material Considerations for Burst Reactor Designs	Bob Margevicius
	LANL	Final Critical Experiment Design to Measure the Fission Neutron Spectrum Shape Using Threshold Activation Detectors	Theresa Cutler
	LANL	Dynamics and Stability Analysis for the Kilowatt Reactor Using Stirling TechnologY (KRUSTY) Experiment	Steve Klein
	LANL	Utilization of NCERC in Support of Nuclear Forensics Measurements	Todd Bredeweg / John Bounds

5:30 PM	**ADJOURN**	

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8:30 AM - 12:30 PM		Wednesday, March 16, 2016	
8:30 AM		**INTEGRAL EXPERIMENTS** *(continued)*	
	ORNL	The Collaborative International Benchmark Evaluation for the SILENE Solution Critical Experiment	Thomas Miller
	LANL	Evaluation of Engineering Controls Implemented to Mitigate Godiva Contamination	Joetta Goda
	LANL	Use of Comet to Support Development of the Design Basis for JAEA's Transmutation Physics Experimental Facility (TEF-P)	Joetta Goda
	LANL	Preliminary Flattop-25 Reevaluation Results	Jeff Favorite
	LLNL	TEX Subcritical Thermal and Dose Measurements	Catherine Percher
	LLNL	TEX-Hf Preliminary Design	Catherine Percher
10:30 AM - 10:45 AM	**BREAK**		
10:45 AM		**INTEGRAL EXPERIMENTS** *(continued)*	
	SNL	NCSP IE and T&EP Activities at Sandia	Gary Harms
	OPEN DISCUSSION		ALL
		NUCLEAR DATA	
	ORNL	Improvements for the ^{63}Cu and ^{65}Cu Resonance Evaluations for Criticality Safety Applications	Vladimir Sobes
	ORNL	Cross Section Evaluation of ^{40}Ca for Neutron Energies up to 1.5 MeV and Validation of Tungsten Cross Sections up to 100 keV	Marco Pigni
	ORNL	Resonance Region Cross-Section Measurements for Calcium and Cerium	Klaus Guber
	IRSN	IRSN-ORNL Data Evaluation in Support of Criticality Safety: ^{235}U, ^{239}Pu, ^{56}Fe, ^{16}O, ^{54}Fe and ^{103}Rh	Luis Leal
	LANL	NDAG and Nuclear Data Working Group Update	Skip Kahler
	LANL	Data Testing CIELO Evaluations with ICSBEP Benchmarks	Skip Kahler
	LANL	Evaluation of Prompt Fission Gamma Rays for n+U235, n+Pu239, and Cf252(sf)	Patrick Talou
12:30 PM - 1:30 PM	**LUNCH**		

		Wednesday, March 16, 2016	
1:30 PM		**NUCLEAR DATA** *(continued)*	
	RPI	Overview of Recent Nuclear Data Measurements at RPI	Yaron Danon/
	KAPL	Status of the LINAC Refurbishment	Brian Epping
	BNL	ADVANCE Status, ENDF/B-VIII Status and Resonance Fun	David Brown
	OPEN DISCUSSION		ALL
		TRAINING AND EDUCATION	
	ORNL	Status of the NCSP Training and Education Courses for FY2015	Doug Bowen
	LANL	Summary of CNEC and CVT Year One Measurement Campaigns	Jesson Hutchinson
		NCSP UNIVERSITY TASKS	
	Georgia Tech ORNL	Development of a New Unresolved Resonance Region Analysis Methodology	Andrew Holcomb
		GENERAL DISCUSSION/CONCLUSION	ALL
3:30 PM - 3:45 PM	**BREAK**		
3:45 PM *optional*	North Carolina State University	*Movie*: Thermal Scattering Data Generation and Advance Methods Development	By: Ayman Hawari
4:00 PM	**ADJOURN**		
4:15 PM	**NDAG MEETING**	*for invitees only*	